

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	"20050130856".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/04 14:01
L3	62	"svarcas, laimute".in. or "cleveland, william".in. or "petric, john".in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/04 14:02
L4	3778	L3 or lubrizol.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/04 14:02
L5	91	L4 and lubric\$4 and (anti adj oxidant or antioxidant or anti-oxidant or oxidation adj inhibitor) same amine and (isostear\$3 or tetraethylenepentamine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/02/04 14:04
L6	618	508/287,454.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/04 14:05
L7	251	44/58,75,73,330,427.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/04 14:05
L8	856	L6 or L7	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/04 14:06
L9	116	L8 and (mannich or mannick) same dispersant and (anti adj oxidant or antioxidant or anti-oxidant or oxidation adj inhibitor) same2 amine	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/04 14:09
L10	17	("3772359"   "4320020"   "4425138"   "4663063"   "4705643"   "4708809"   "4724091"   "5025316"   "5264005"   "6193767"   "6242394"   "6348075"   "6391833"   "6458172"   "4025316"   "20040083729").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/04 14:11

L11	426	<p>"20020095916"(US_PGPUB)</p> <p>"20050130856"(US_PGPUB)</p> <p>"4254745"(USPAT)</p> <p>"4258669"(USPAT)</p> <p>"4312305"(USPAT)</p> <p>"4353331"(USPAT)</p> <p>"4357916"(USPAT)</p> <p>"4370959"(USPAT)</p> <p>"4437437"(USPAT)</p> <p>"4485769"(USPAT)</p> <p>"4538568"(USPAT)</p> <p>"4543919"(USPAT)</p> <p>"4552106"(USPAT)</p> <p>"4558670"(USPAT)</p> <p>"4791894"(USPAT)</p> <p>"4805571"(USPAT)</p> <p>"4813387"(USPAT)</p> <p>"4831820"(USPAT)</p> <p>"4834032"(USPAT)</p> <p>"4872433"(USPAT)</p> <p>"4899698"(USPAT)</p> <p>"4917054"(USPAT)</p> <p>"4922865"(USPAT)</p> <p>"4938192"(USPAT)</p> <p>"4966000"(USPAT)</p> <p>"4977875"(USPAT)</p> <p>"4979476"(USPAT)</p> <p>"4996953"(USPAT)</p> <p>"5189996"(USPAT)</p> <p>"5228414"(USPAT)</p> <p>"5265566"(USPAT)</p> <p>"5311854"(USPAT)</p> <p>"5322043"(USPAT)</p> <p>"5345897"(USPAT)</p> <p>"5351657"(USPAT)</p> <p>"5365893"(USPAT)</p> <p>"5383427"(USPAT)</p> <p>"5437251"(USPAT)</p> <p>"5443045"(USPAT)</p> <p>"5454352"(USPAT)</p> <p>"5505172"(USPAT)</p> <p>"5507253"(USPAT)</p> <p>"5537973"(USPAT)</p> <p>"5699758"(USPAT)</p> <p>"5950588"(USPAT)</p> <p>"6138634"(USPAT)</p> <p>"6145488"(USPAT)</p> <p>"6152102"(USPAT)</p> <p>"6379411"(USPAT)</p> <p>"6551385"(USPAT)</p>	US_PGPUB; USPAT; USOCR	OR	ON	2010/02/04 14:12
L12	10	(lubrica\$ or oil) and isostearic same2 (polyamine or pentamine) and (Mannich or Mannick) same2 (ethylenediamine or dimethylamine) and amine same2 (anti adj oxidant or antioxidant or anti-oxidant or oxidation adj inhibitor)	US_PGPUB; USPAT; USOCR	OR	ON	2010/02/04 14:14

L13	78	((direct or fuel) near injection or DFI) and ("two-stroke" or two adj stroke or twostroke or "2-stroke" or "2" adj stroke) and (antioxidant or anti adj oxidant or "anti-oxidant"). bi.	US-PPGPUB; USPAT; USOCR	OR	ON	2010/02/04 14:15
L14	107	("two-stroke" or two adj stroke or twostroke or "2-stroke" or "2" adj stroke) and Mannich same dispersant and (antioxidant or anti adj oxidant or "anti-oxidant") bi.	US-PPGPUB; USPAT; USOCR	OR	ON	2010/02/04 14:16
L15	2	(lubrica\$5 or fuel) and isostearic same1 (polyamine or pentamine) and (Mannich or Mannick) same2 (ethylenediamine or dimethylamine) and amine same2 (anti adj oxidant or antioxidant or anti-oxidant or oxidation adj inhibitor)	FPRS; EPO; JPO; DERWENT	OR	ON	2010/02/04 14:21
L16	10	\$4stearic and (polyamine or pentamine) and (Mannich or Mannick)	FPRS; EPO; JPO; DERWENT	OR	ON	2010/02/04 14:22
L18	36	\$4stearic and (polyamine or pentamine) and dispersant	FPRS; EPO; JPO; DERWENT	OR	ON	2010/02/04 14:23
L19	5	("two-stroke" or two adj stroke or twostroke or "2-stroke" or "2" adj stroke) and Mannich same dispersant and (antioxidant or anti adj oxidant or "anti-oxidant") bi.	FPRS; EPO; JPO; DERWENT	OR	ON	2010/02/04 14:24

**EAST Search History (Interference)**

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